



01

**Pro**

Professional's  
Choice

02

**Ho**

Home Owner's  
Choice

LAMBDA BOARD<sup>®</sup>

# CAVITY WALL INSULATION

When it comes to selecting the best overall insulation product for cavity walls, LAMBDA BOARD<sup>®</sup> is the product of choice. No other foam insulation has the perfect combination of features so important for long-term performance.

A cavity wall consists of two wythes of masonry, separated by a cavity of varying dimensions. The wythes are generally tied together with corrosion resistant wall ties and are separated by an air-space and a layer of insulation board on the exterior of the inner wythe. The wythes may consist of solid brick, hollow brick, structural clay tile, solid concrete or hollow concrete units (blocks).





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## R-VALUE PERFORMANCE

LAMBDABOARD® has the highest R-Value per mm, therefore the design U-Value of the cavity wall system can be achieved with a minimum thickness of insulation. This in turn allows the overall carbon footprint of the building to be reduced.

## MOISTURE RESISTANT

Although a cavity wall is not designed as a wet environment, a cavity wall performs by taking the small amount of water penetrating the outer wythe, draining it down the cavity face of the outer wythe to a flashing which directs the water back to the exterior. LAMBDABOARD® has a less than 3% water absorption and is the perfect choice for this environment. Refer to moisture test SABS 1381-1.

## EXCELLENT DIMENSIONAL STABILITY

Temperature cycling and humidity encountered in cavity wall applications does not affect LAMBDABOARD® thermal performance.



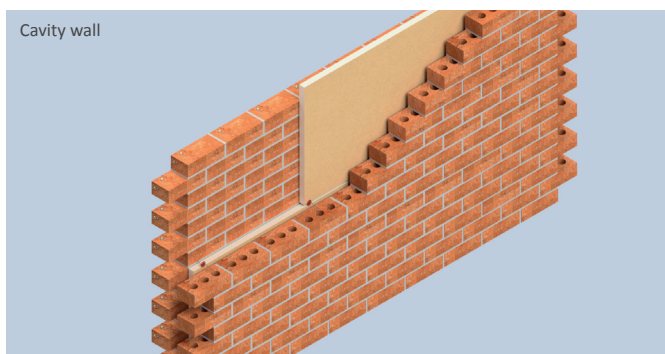
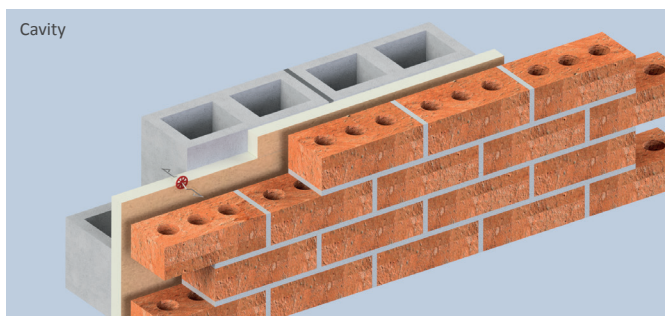
## BENEFITS

- Lightweight and easy to handle**
- Easy to cut and shape and can be easily detailed at the job site for proper installation
- Environmentally 'green' choice for cavity wall applications**
- Easy to install and detail on site, with hand held tools

## SPECIFICATION FOR BOQ

LAMBDABOARD® is a laminated polyisocyanurate core board with a minimum core density of 34kg/m<sup>3</sup>, a minimum thickness of \_\_\_\_\_ mm; widths of 1220 mm with a \_\_\_\_\_ (Km<sup>2</sup>/W) R-Value. Finish shall be kraft paper laminated on both sides. To be fixed on the inner leaf of cavity wall using galvanized cavity ties.

<p><b>ENERGY SAVING</b></p> <p>&lt;/70%</p> <p>With a rational design</p>	<p><b>LONG TERM THERMAL RESISTANCE</b></p>	<p><b>LOW MAINTENANCE</b></p> <p>Thickness: 25 mm to 100 mm</p> <p>Width: 1220 mm</p> <p>Length: Cut to size Minimum: 1350 mm</p>	<p><b>MOISTURE RESISTANCE</b></p> <p>On cavity wall and under screed installations</p>
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